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(U) Abstract of the Disclosure

(S) An arrangement for reducing the effect of vibration-induced changes in phase of the first local oscillator in a tracking receiver wherein final detection is accomplished by a synchronous detector in a phase lock loop incorporating a voltage-controlled oscillator is shown to include a differentiator providing a control signal whenever a vibration-induced change occurs, such control signal being applied to cause the time taken for the voltage-controlled oscillator to regain proper phase is reduced to a minimum.

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